

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/001414

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G03B21/28 A63J5/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G03B A63J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data, PAJ, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 5 865 519 A (MAASS UWE) 2 February 1999 (1999-02-02) cited in the application the whole document ----- | 1-11 |
| A | FR 2 793 062 A (ROSCAL) 3 November 2000 (2000-11-03) figure 1 abstract ----- | 1-11 |
| A | US 6 129 649 A (YANG YEN-SHUO) 10 October 2000 (2000-10-10) figures 4-9 ----- | 1-11 |
| A | US 2 991 841 A (EASTON SAMPSON BEN ET AL) 11 July 1961 (1961-07-11) the whole document ----- | 1-11 |
| | -/-- | |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

5 July 2004

Date of mailing of the international search report

05. 11. 2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

PAVON

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|---|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | EP 0 919 258 A (RICH ROLLAND WAYNE) 2 June 1999 (1999-06-02) figures 1-7 | 1-11 |
| A | ----- US 221 605 A (J H PEPPER & J J WALKER) 11 November 1879 (1879-11-11) the whole document ----- | 1-11 |

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-11

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11

Claims 1,2-11 relate to the problem of reducing wrinkles on the partially transparent screen, which is solved by retention members, tensioning straps and fixing means.

2. claims: 1,12,13,17,18

Claims 1,12,13,17,18 relate to the problem of correcting keystone distortion in a pepper's ghost arrangement, which is solved by providing an adjustably angled, mirror surface in an optical pathway between the lens of the projector and the pigmented reflective member.

3. claims: 1,12,14,15

Claims 1,12,14,15 relate to the problem of reducing the level of milky white hue associated with the projector emitting light where there is no image of an object to be projected, which is solved by colouring the pigmented reflective member grey.

4. claims: 1,12,16,18,19

Claims 1,12,16,18,19 relate to the problem of variation of the apparent depth and/or position of an object when projected upon the screen, which is solved by variably inclining, with respect to plane of emission of light from the projector, the pigmented reflective member or sections thereof.

5. claims: 1,12,20-22,23

Claims 1,12,20-22,23 relate to the problem of masking and/or illuminating props on the stage, which is solved by providing a mask corresponding to the on the pigmented reflective member.

6. claims: 1,24,25,26

Claims 1,24,25,26 relate to the problem of relate to the problem of masking and/or illuminating props on the stage, which is solved by an LCD arranged to be non-emitting in response to control from a processor.

7. claims: 27-43

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Claims 27-43 relate to the problem of assembling together and tensioning a screen to a frame in a projection apparatus (not just in a pepper's ghost arrangement), which is solved by the steps of (i) resting the frame upon a number of elevation means, (ii) attaching legs sections to the frame, (iii) increasing the height of the elevation means, (iv) adding further leg sections and (v) attaching the edges of the screen to frame sections therefor.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/001414

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| US 5865519 | A | 02-02-1999 | DE 29515073 U1 | 07-12-1995 |
| | | | AT 175783 T | 15-01-1999 |
| | | | AU 694997 B2 | 06-08-1998 |
| | | | AU 6930696 A | 09-04-1997 |
| | | | CA 2206887 A1 | 27-03-1997 |
| | | | CN 1166210 A | 26-11-1997 |
| | | | CZ 9701543 A3 | 17-09-1997 |
| | | | DE 59601140 D1 | 25-02-1999 |
| | | | DK 799436 T3 | 06-09-1999 |
| | | | WO 9711405 A1 | 27-03-1997 |
| | | | EP 0799436 A1 | 08-10-1997 |
| | | | ES 2129987 T3 | 16-06-1999 |
| | | | HU 9702116 A2 | 28-04-1998 |
| | | | JP 2930219 B2 | 03-08-1999 |
| | | | JP 10509535 T | 14-09-1998 |
| | | | KR 258028 B1 | 01-06-2000 |
| | | | NO 972230 A | 17-07-1997 |
| | | | NZ 316949 A | 27-04-1998 |
| | | | PL 320418 A1 | 29-09-1997 |
| | | | SK 62197 A3 | 09-09-1998 |
| ----- | | | | |
| FR 2793062 | A | 03-11-2000 | FR 2793062 A1 | 03-11-2000 |
| | | | AT 253248 T | 15-11-2003 |
| | | | AU 4304500 A | 17-11-2000 |
| | | | BR 0006071 A | 20-03-2001 |
| | | | CA 2334090 A1 | 09-11-2000 |
| | | | DE 20010731 U1 | 14-12-2000 |
| | | | DE 60006205 D1 | 04-12-2003 |
| | | | DE 60006205 T2 | 15-04-2004 |
| | | | EP 1092216 A1 | 18-04-2001 |
| | | | ES 2208313 T3 | 16-06-2004 |
| | | | WO 0067243 A1 | 09-11-2000 |
| | | | PL 345072 A1 | 03-12-2001 |
| | | | PT 1092216 T | 30-01-2004 |
| | | | US 6564487 B1 | 20-05-2003 |
| | | | ZA 200007267 A | 06-05-2002 |
| ----- | | | | |
| US 6129649 | A | 10-10-2000 | NONE | |
| ----- | | | | |
| US 2991841 | A | 11-07-1961 | NONE | |
| ----- | | | | |
| EP 0919258 | A | 02-06-1999 | US 5967943 A | 19-10-1999 |
| | | | CA 2254486 A1 | 26-05-1999 |
| | | | EP 0919258 A2 | 02-06-1999 |
| | | | US 6264583 B1 | 24-07-2001 |
| ----- | | | | |
| US 221605 | A | | NONE | |
| ----- | | | | |